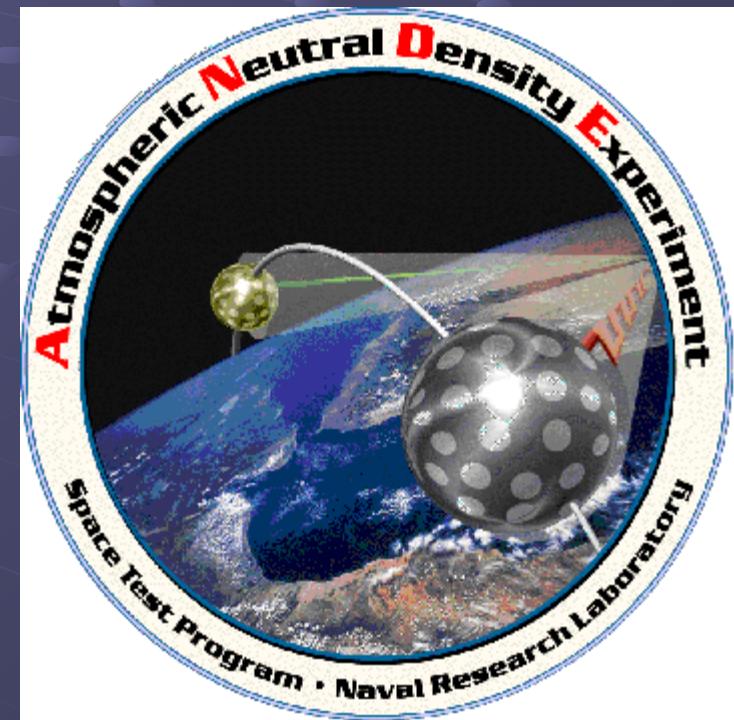


# ANDE

- Team Members
- Team Leader: Benjamin Aaron
- Comms: Ernesto Villalba
- Power: Crispina Weissenberg



# Current Performance Criteria

- There was no previously conceived performance criteria
- Performance Criteria must be based on both the mission objectives and the expected life of ANDE

# Revised Performance Criteria

- Ideal Performance of ANDE (100%):
  - (1) Temperature telemetry data transmitted by ANDE and received by ground station
  - (2) Ensure that Lasers are powered for spin rate determination
  - (3) User communications able to fulfill amateur radio communications status
  - (4) Above criterion fully functional for expected life of ANDE (1 year)

# Revised Performance Criteria

- Acceptable Performance of ANDE (66%)
  - (1) Two of three components of performance criteria functional for expected life of spacecraft (each component is valued at 33%), or
  - (2) All three components of performance criteria functional, however only for a portion of expected life (more than 30 days)

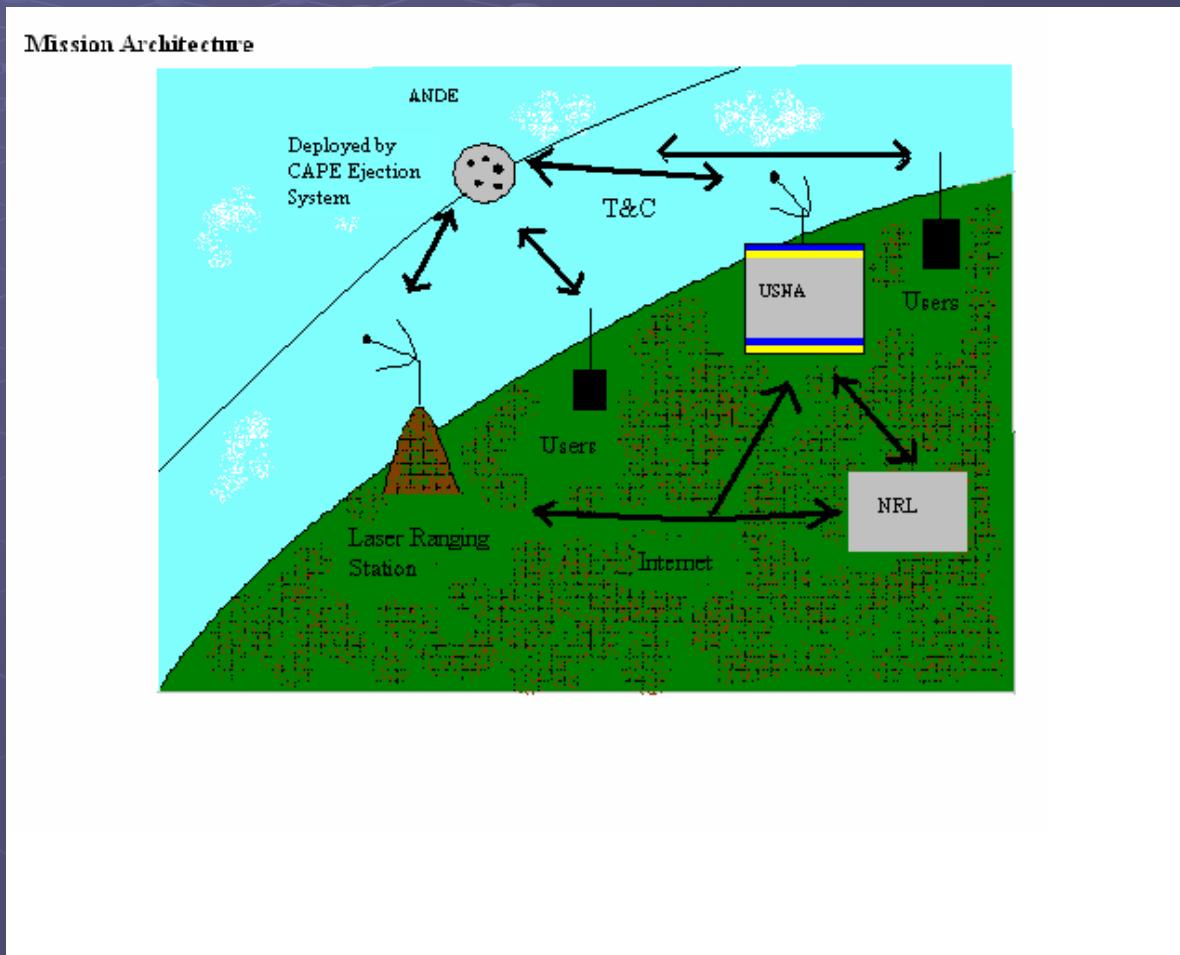
# Revised Performance Criteria

- Minimum Performance of ANDE (50%)
  - (1) All three components of spacecraft are functional for minimum acceptable duration of expected life of ANDE (30 days)

# Current Mission Architecture

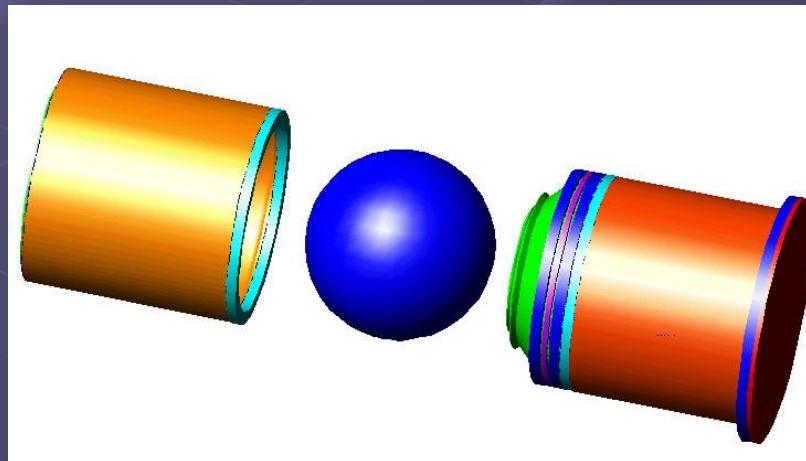
- There is no current mission architecture document for ANDE
- Mission architecture must account for ANDE, Ground Station, Laser Ranging Station, Users and Launch Element

# Revised Mission Architecture



# CAPE Ejection System

- Canister for All Payload Ejection (CAPE)
- Will be deployed from Space Shuttle
- Designed to fit payload requirements for Space Shuttle.



# ANDE Current Block Diagram

- There is no current block diagram representation of the ANDE systems

# Revised ANDE Block Diagram

